

# Updated EAST Search History & Interference Search

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	965	425/385.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L2	433	425/391.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L3	992	425/392.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L4	650	425/393.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L5	843	425/394.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L6	596	425/403.ccls.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L7	847	L1 not (L2 or L3 or L4 or L5 or L6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L8	371	L2 not (L1 or L3 or L4 or L5 or L6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L9	799	L3 not (L1 or L2 or L4 or L5 or L6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L10	487	L4 not (L1 or L2 or L3 or L5 or L6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L11	717	L5 not (L1 or L2 or L3 or L4 or L6)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39

## EAST Search History

L12	387	L6 not (L1 or L2 or L3 or L4 or L5)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L13	233	(L7 or L8 or L9 or L10 or L12 or L11) and (gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:39
L14	0	L7 and ((pipe near (bend\$3 or deform\$3)) with gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:40
L15	0	L7 and ((pipe with (bend\$3 or deform\$3)) with gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:40
L16	0	L8 and ((pipe with (bend\$3 or deform\$3)) with gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:40
L17	0	L9 and ((pipe with (bend\$3 or deform\$3)) with gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:41
L18	0	L10 and ((pipe with (bend\$3 or deform\$3)) with gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:41
L19	0	L11 and ((pipe with (bend\$3 or deform\$3)) with gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:41
L20	0	L12 and ((pipe with (bend\$3 or deform\$3)) with gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:42
L21	0	L13 and ((pipe with (bend\$3 or deform\$3)) with gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:41
L22	5	L13 and ((pipe with (bend\$3 or deform\$3)) and gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:41
L23	0	L12 and ((pipe with (bend\$3 or deform\$3)) and gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:42

## EAST Search History

L24	0	L1 and ((pipe with (bend\$3 or deform\$3)) and gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:43
L25	0	L11 and ((pipe with (bend\$3 or deform\$3)) and gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:43
L26	3	L10 and ((pipe with (bend\$3 or deform\$3)) and gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:43
L27	2	L9 and ((pipe with (bend\$3 or deform\$3)) and gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:43
L28	0	L8 and ((pipe with (bend\$3 or deform\$3)) and gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:43
L29	0	L7 and ((pipe with (bend\$3 or deform\$3)) and gear)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	OFF	2006/10/10 13:43
L30	0	(frame and ((pipe or tube) with (bend\$3 or deform\$3)) and support and (plurality near mandrel) and lock and gear).clm.	US-PGPUB	OR	OFF	2006/10/10 15:09
L31	0	(frame and ((pipe or tube) with (bend\$3 or deform\$3)) and (plurality near mandrel) and lock and gear).clm.	US-PGPUB	OR	OFF	2006/10/10 13:45
L32	0	(frame and ((pipe or tube) with (bend\$3 or deform\$3)) and (plurality near mandrel)).clm.	US-PGPUB	OR	OFF	2006/10/10 13:45
L34	0	(frame and ((pipe or tube) with (bend\$3 or deform\$3)) and (gear near pivot)).clm.	US-PGPUB	OR	OFF	2006/10/10 13:45
L35	2	(frame and ((pipe or tube) with (bend\$3 or deform\$3)) and gear).clm.	US-PGPUB	OR	OFF	2006/10/10 13:45
L36	0	((pipe or tube) with (bend\$3 or deform\$3)) and support and (plurality near mandrel) and lock and gear).clm.	US-PGPUB	OR	OFF	2006/10/10 13:46
L37	0	((pipe or tube) with (bend\$3 or deform\$3)) and (plurality near mandrel) and lock and gear).clm.	US-PGPUB	OR	OFF	2006/10/10 13:46

## EAST Search History

L38	5	((pipe or tube) with (bend\$3 or deform\$3)) and (plurality near mandrel).clm.	US-PGPUB	OR	OFF	2006/10/10 13:47
L40	5	((pipe or tube) with (bend\$3 or deform\$3)) and mandrel and gear).clm.	US-PGPUB	OR	OFF	2006/10/10 13:47
L41	1	(frame and ((pipe or tube) with (bend\$3 or deform\$3)) and lock and gear).clm.	US-PGPUB	OR	OFF	2006/10/10 15:09